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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/843,354	04/26/2001	Gye-Chool Lee	A34237	8507
20306	7590	03/22/2005	EXAMINER	
MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP			CHO, HONG SOL	
300 S. WACKER DRIVE			ART UNIT	
32ND FLOOR			PAPER NUMBER	
CHICAGO, IL 60606			2662	

DATE MAILED: 03/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

5

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/843,354	LEE, GYE-CHOOL	
	<b>Examiner</b>	<b>Art Unit</b>	
	Hong Cho	2662	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 10 January 2005.  
 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.  
 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.  
     4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
 6) ☒ Claim(s) 1-5 is/are rejected.  
 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
 10) ☒ The drawing(s) filed on 26 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☒ All    b) ☐ Some \*    c) ☐ None of:  
         1. ☒ Certified copies of the priority documents have been received.  
         2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
         3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
     \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>01102005</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
2. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lim (US 6766168) in view of Lindsay et al (U.S. 6729929), hereinafter referred to as Lindsay.

Re claims 1, 2 and 4, Lim discloses assigning base station controller identities (BSC IDs) with packet zone identifier (PZID) (*group ID*) and base transceiver station identities (BTS IDs) in an international mobile communication-2000 (IMT-2000) system (column 10, table 1; figures 7 and 8). Lim does not expressly disclose receiving BSC IDs and group IDs from operating and maintenance center (OMC) and BTS IDs from BSC. Lindsay discloses a general polling message including a zone field, BSC ID field and a base ID field (figures 7a-7c; column 12, lines 28-36). It is well known in the art that a BSC and BTS of base station subsystem (BSS) are coupled to the mobile switching center (MSC), where OMC is utilized to provide and update the software load to the BSS, and configured to communicate with MSC in IMT-2000 system.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the system of Lim to use a general polling message of Lindsay instead of hardware coding for allocating corresponding IDs to a plurality of BSCs and BTSs to get the benefit of easy implementation and maintenance of a plurality of communication units.

The combined system of Lim and Lindsay fails to teach steps of determining if the system is initialized, if ID allocation request signal is received at OMC from a BSC and at BSC from a BTS. However, it is well known in the art of client and server system that the client requests a service to the server by sending a request signal and getting a permission in a form of response or acknowledgement signal back from the server to proceed service downloading. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the combined system of Lim and Lindsay to implement the process of client and server system in allocating corresponding IDs to a plurality of subsystems so that whenever there is a change introduced by a newly added or removed communication unit, then updating of configuration management of the system maintained by the OMC is done easily through software .

Re claim 3, Lindsay discloses a general polling message including a zone field, BSC ID field and a spare field with a certain number of bits allocated, respectively (figures 7a-7c; column 12, lines 28-36). Lindsay fails to disclose the BSC ID allocation data including 8 bits for a BSC group ID field, 8 bits for a BSC ID field and 16 bits for a reserve field. However, it would have been obvious to one having ordinary skill in the art

at the time the invention was made to modify the message format of Lim in accord with the fields disclosed by the invention so that it saves communication bandwidth and provides efficient communication since unnecessary information is not transmitted.

Re claim 5, Lindsay discloses a general polling message including a base ID field, a system type field and a spare field with a certain number of bits allocated, respectively (figures 7a-7c; column 12, lines 28-36). Lindsay fails to disclose the BSC ID allocation data including 8 bits for a BSC group ID field, 8 bits for a BSC ID field and 16 bits for a reserve field. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the message format of Lim in accord with the fields disclosed by the invention so that it saves communication bandwidth and provides efficient communication since unnecessary information is not transmitted.

### *Conclusion*

3. This is an RCE of applicant's earlier Application No. 09843354. All claims are drawn to the same invention claimed in the earlier application and could have been finally rejected on the grounds and art of record in the next Office action if they had been entered in the earlier application. Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action in this case. See MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

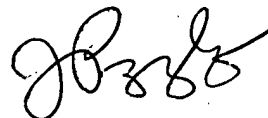
shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no, however, event will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hong Cho whose telephone number is 571-272-3087. The examiner can normally be reached on Mon-Fri during 7 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571-272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3088.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hc  
Hong Cho  
Patent Examiner  
3-7-2005

  
**JOHN PEZZLO**  
**PRIMARY EXAMINER**